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SOVIET GEOPHYSICS LITERATURE APRIL-JUNE 1953

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 Moscow, Sep-Oct 1953, pp 477, 478.

[Comment: The following information represents a bibliographical listing of USSR literature on geophysics, which includes books, brochures, a symposium of articles, articles appearing in journals, and dissertations of candidates for physical mathematics degrees.]

I. Books, Brochures, Symposium of Articles

1. V. V. Belousov - Formation of Mountains and Continents (Obrazovaniye Gor i Materikov), report of a public lecture, Kiev, 1953, 24 pp with illustrations, 50,000 copies, price 45 kopecks, (Society for the Propagation of Political and Scientific Knowledge of the Ukrainian SSR), in the Ukrainian language.
2. S. I. Isayev - Aurora Borealis (Polyarnyye Siyaniya), I. A. Khvostikov (editor), Izd Glavsevmorputi, Leningrad, 1952, 64 pp with illustrations, 50,000 copies, price 45 kopecks.
3. V. I. Kurishev - The Form and Size of the Earth (Forma i Razmery Zemli), Oblgiz, Irkutsk, 1953, 45 pp with illustrations, 3,000 copies, price 70 kopecks.
4. Kh. P. Pogosyan - Circulation of the Atmosphere (Tsirkulyatsiya Atmosfery), Gidrometeoizdat, Leningrad, 1953, 118 pp with illustrations, 2,000 copies, price 2.65 rubles (Popular Scientific Library).
5. V. D. Reshetov - Inertia and Sensitivity of a Hair Hygrometer at Low Temperatures (Ob Inertsii i Chuvstvitel'nosti Volosnogo Gigrimetra pri Nizhnikh Temperaturakh), A. Kh. Khrgian (editor), Gidrometeoizdat, Leningrad, 1953, Works of the Central Aerological Observatory (Trudy Tsentral'noy Aerologicheskoy Observatorii), No 11.
6. Trudy Tsentral'noy Aerologicheskoy Observatorii, vyp. 10 (works of the Central Aerological Observatory, No 10), Leningrad, 1953. Contents: P. F. Zaychikov - Problem of Measuring Vertical Movements of Air in a Free Atmosphere With the Aid of a Comb-Shaped Radiosonde (pp 3-7); I. V. Khanevskaya - The Stability of Vertical Air Movements Measured by Radiosonde in Space (pp 16-22); I. V. Khanevskaya and V. I. Pokina - The Effect of Errors in Determining the Vertical Velocity of a Radiosonde in the Lower Layer of the Atmosphere on the Vertical Air Movements as Measured by the Radiosonde (pp 23-30); A. M. Borovikov - Certain Results of the Investigation of Crystal Clouds (pp 31-47); B. N. Gongadze and G. R. Gulavelidze - Certain Results of the Investigation of the Intensity of Direct Solar Radiation on the Slopes of Elbrus (pp 48-54); and S. S. Gaygerov and V. G. Kastrov - Results of Scientific Observations of a Free Aerostat in a Continuous Flight 25-28 October 1950 (pp 55-74).

II. Articles in Journals

7. A. P. Bondarenko - Relation of Terrestrial Currents and Geomagnetic Variations. DAN SSSR (Reports of the Academy of Sciences USSR), Vol. 2, No 3, 1953, pp 443-445.

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8. M. I. Budyko and G. A. Drozdov - Laws Governing the Water Cycle in the Atmosphere. DAN SSSR (Reports of the Academy of Sciences USSR), Vol 90, No 2, 1953, pp 167-170.
9. Ye. I. Byus and M. M. Rubinshteyn - New Data on the Tashkent Earthquake 7-8 May 1950. Soobshcheniya AN Gruzinskoy SSR (Communications of the Academy of Sciences Georgian SSR), Vol 14, No 2, 1953, p. 8.
10. V. G. Zavodchikova and K. Ya. Kondrat'yev - The Extensive Distribution of Scattered and Reflected Radiation. Vestnik LGU (Herald of Leningrad State University), No 2, 1953, pp 107-113.
11. K. I. Kozlovka - Comparison of the Reflectional Properties of Maria /Seng/ on Mars With the Spectral Reflective Capacity of Certain Earth Vegetation. Vestnik AN Kazakhskoy SSR (Herald of the Academy of Sciences Kazakh SSR), No 4, 1953, pp 34-37.
12. M. K. Krylov - Geophysical Prospecting by Means of High-Frequency Fields (Interference Sounding). Vestnik MGU (Herald of the Moscow State University), No 3, 1953, pp 161-179.
13. B. Yu. Levin - Structure of the Earth and Planets (Cosmogony Theory of O. Yu. Shmidt). Nauka i Zhizn' (Science and Life), No 2, 1953, pp 20-23.
14. K. K. Markov - The Presence in the Past of Traces of an Atmosphere on the Earth's Satellites (in connection with a similar article by A. V. Khabakov in the News of the All-Union Geographical Society, Vol 84, No 3, 1952). Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva (News of the All-Union Geographical Society), Vol 85, No 2, 1953, pp 215, 216.
15. A New Nonlinear Effect in the Ionosphere. Uspekhi Fizicheskikh Nauk (Progress of Physical Sciences), Vol 49, No 3, 1953, pp 484-487.
16. Determining the Thermal Coefficient of Air Pressure with the Aid of an Air Thermometer, Moscow, 1953, 7 pp with illustrations. Moskovskiy Ordena Lenina Energeticheskii Institut imeni V. M. Molotov. Kafedra Fiziki, Laboratornaya Rabota No 15 (Moscow Order of Lenin Power Institute imeni V. M. Molotov, Chair of Physics, Laboratory Project No 15).
17. B. D. Rozenblyum - Conditions for the Visibility of Silvery Clouds. Byulleten' Vsesoyuznogo Astronomo-Geofizicheskogo Obshchestva (Bulletin of the All-Union Astronomical-Geodetic Society), Moscow, No 12, 1953, pp 20-25.
18. N. N. Tikhodeyev - Lightning, Its Origin and Characteristics. Sbornik Dokladov Nauchno-Tekhnicheskoy Konferentsii, Leningradskiy Politehnicheskii Institut, Elektromekhanicheskii Fakul'tet (Symposium of Reports of the Scientific Technical Conference, Leningrad Polytechnic Institute, Electro-Mechanics Faculty), Leningrad, 1953, pp 3-19.
19. N. S. Shishkin - Measurement of Raindrops. DAN SSSR (Reports of the Academy of Sciences USSR), Vol 90, No 2, 1953, pp 171-174.

III. Dissertation for the Scientific Degree of Doctor of Physical-Mathematical Sciences

20. A. O. Voysenberg - Investigation of the Spectrum and the Composition of Cosmic Radiation at a Height of 3,250 Meters Above Sea Level (Issledovaniye Spektra i Sostava Kosmicheskogo Izlucheniya na Vysote 3,250 M nad Urovнем Morya), Moscow, 1953, 12 pp, paper-bound manuscript (Moscow Mechanics Institute).

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IV. Dissertations for the Scientific Degree of Candidate of Physicomathematical Sciences

21. G. P. Berishvili - Investigation of Geomagnetic Disturbances According to Data on Tbilisi for a Complete Period of Solar Activity (Issledovaniye Geomagnitnykh Vozmushcheniy po Dannym Tbilisi za Polnyy Period Solnechnoy Aktivnosti), Tbilisi, 1953, 8 pp, 100 copies (Tbilisi State University imeni I. V. Stalin).
22. N. P. Byzova - Self-Excited Oscillations of Heat Convection Currents (Samovozbuzhdayushchiyesya Kolebaniya Potoka Teplovy Konveksii), 8 pp, 110 copies, paper-bound manuscript (Acad Sci USSR, Marine Hydrophysics Institute).
23. V. M. Kazachevskiy - Photometric Determination of Reflective Capacity of the Earth's Sphere (Fotometricheskoye Opredeleniye Otrazhetel'noy Sposobnosti Zemnogo Shara), Alma-Ata, 1953, 7 pp, 100 copies, paper-bound manuscript (Acad Sci USSR, Geophysics Institute).
24. V. G. Kirillov-Ugrumov - Magnetic Mass Spectroscope in Conjunction With the Wilson Chamber for Investigating Cosmic Radiation (Magnitnyy Masspektroskop v Sochetanii s Kameroy Vilsona dlya Issledovaniya Kosmicheskogo Izlucheniya), Moscow, 1953, 7 pp, paper-bound manuscript (Moscow Mechanics Institute).
25. S. P. Kapitsa - Investigation of Magnetic Properties of Mineral Rocks Under Mechanical Stress (Issledovaniye Magnitnykh Svoystv Gornnykh Porod pri Mekhanicheskikh Napyazheniyakh), Moscow, 1953, 7 pp, 100 copies, paper-bound manuscript (Acad Sci USSR, Geophysics Institute).
26. N. S. Malkevich - Diurnal Temperature Variations in the Atmosphere (Sutochnyye Izmeneniya Temperatury v Atmosfere), Moscow, 1953, 8 pp, 100 copies, paper-bound manuscript (Acad Sci USSR, Geophysics Institute).
27. I. L. Nersesov - Experiment for Studying Regional Earthquakes (Opyt Izucheniya Mestnykh Zemletryaseniy), Moscow, 1953, 8 pp, 100 copies, paper-bound manuscript, (Acad Sci USSR, Geophysics Institute).
28. A. A. Chasovnikov - Investigation of the Absolute Method for Reproducing Small Velocities of an Air Current and Its Application for Checking Anemometers (Issledovaniya Absolyutnogo Metoda Vospriizvedeniya Znacheniy Malykh Skorostey Vozdushnogo Potoka i Ego Primereniye dlya Poverki Anemometrov), Leningrad, 1953, 12 pp, paper-bound manuscript (All-Union Sci-Res Institute of Meteorology imeni D. I. Mendeleev).
29. L. Kh. Eydus - Investigation of Properties of Wide Atmospheric Showers of Cosmic Rays (Issledovaniye Svoystv Shirokikh Atmosfernykh Livney Kosmicheskogo Izlucheniya), Moscow, 1953, 11 pp, paper-bound manuscript (Acad Sci USSR, Physics Institute imeni P. N. Lebedev).

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